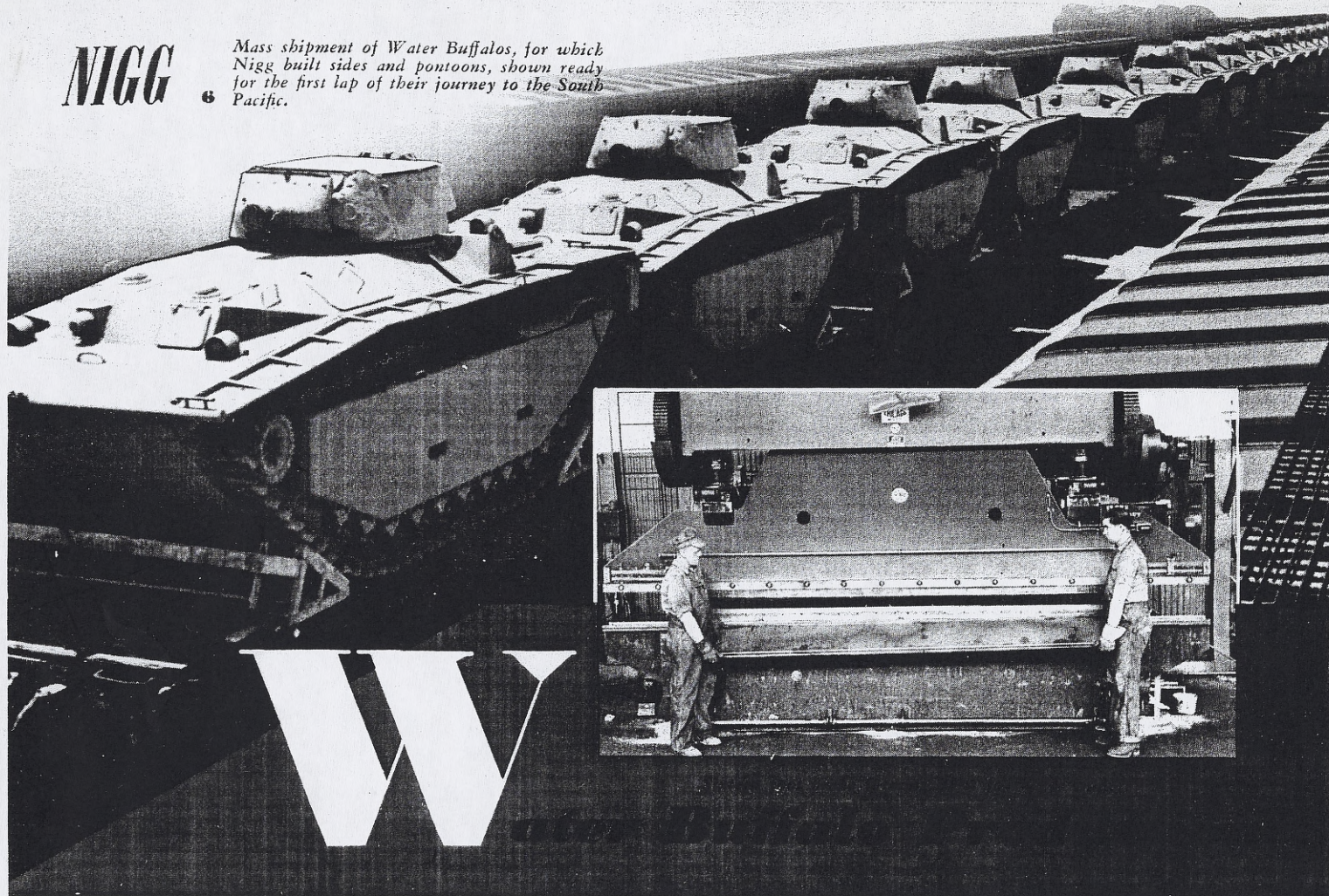


NIGG

Mass shipment of Water Buffalos, for which Nigg built sides and pontoons, shown ready for the first lap of their journey to the South Pacific.



One of the most spectacular of all Nigg contributions to the war was its part in building the amphibian tank—known as the Water Buffalo, or the Amtrak.

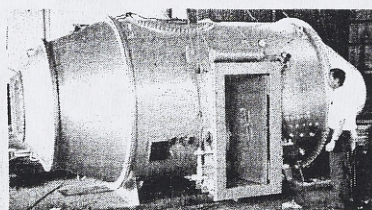
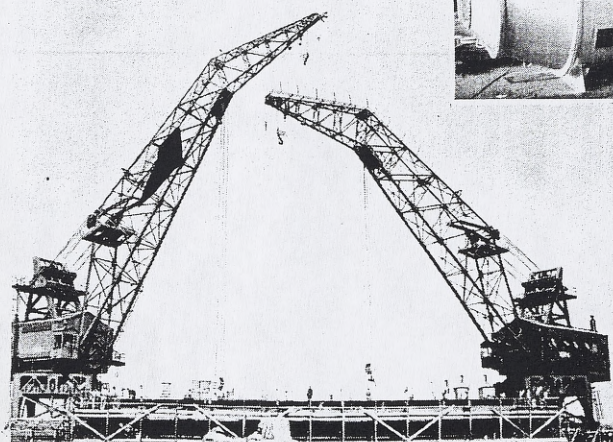
Completely at home on land, in water, in swamps, the amphibian tank has proven invaluable in carrying troops from ship to shore, through heavy surfs, across coral reefs and to any pre-selected inshore objective.

Immediately after Tarawa, Nigg took on the job of fabricating the two armor plate sides of

the tank, including the pontoons. These assemblies were produced at the rate of 8 tanks per day and at the end of the war Nigg had delivered over 7000 engine mounts and over 4000 side wall assemblies.

In addition to the tanks, Department 3 also has produced fleet mooring buoys, steel hatch covers and gangways for Liberty Ships, refinery equipment and sub assemblies for seven of the largest dry dock cranes in the country.

Fifty-ton naval dry dock cranes. Engine houses and all gear guards by Nigg Engineering.

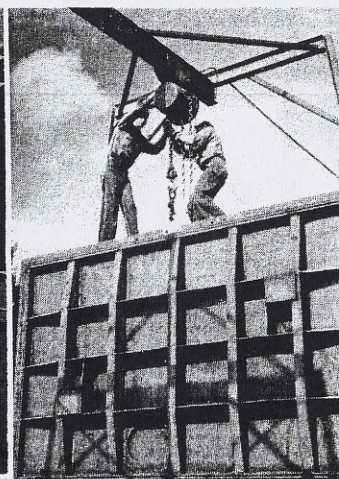


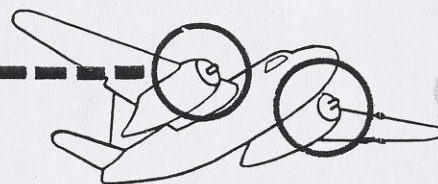
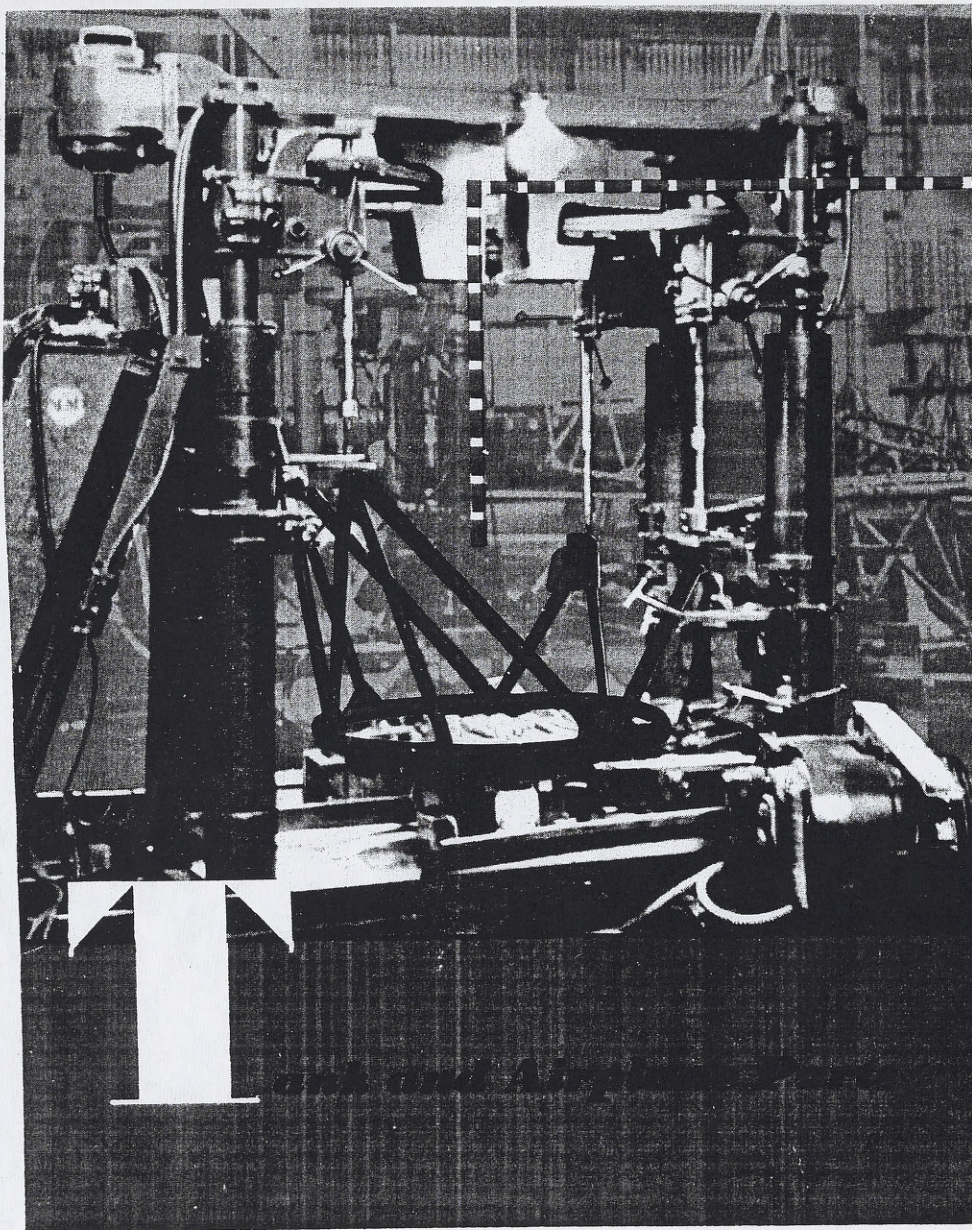
Left—High altitude test chamber for Army Air Forces.

Below—Mooring buoys for Alaska.



Hatch covers for Liberty Ships





Approximately 50 different machining operations on the engine mounts for the Douglas "Havoc" were performed on this Nigg-built machining jig. Such close tolerances were maintained on this and similar operations that the Army Air Corps eliminated the final inspection of 4/5ths of the parts.

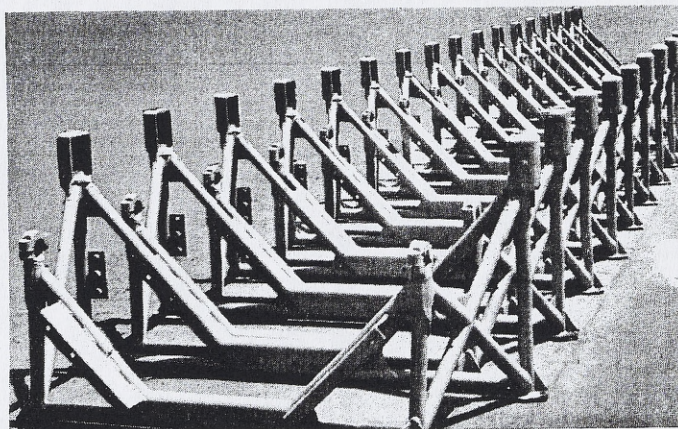
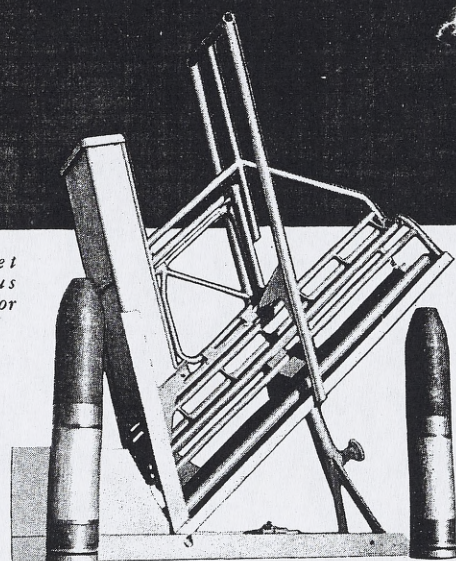
In Department 1 Nigg produced complete engine mount assemblies and Landing Gear support frames for the "Havoc"—Douglas attack bomber. The entire job was taken over by Nigg—from cutting of parts from raw stock through final machining, magnetic inspection and painting . . . and the finished assemblies delivered, ready for installation in the plane.

This work required the highest quality of workmanship and rigid inspection of every operation due to the terrific strains imposed by the vibration of engines flying under combat conditions. To meet these requirements, Nigg developed its own production machinery and magnetic inspection equipment and trained a corps of company inspectors.

Department 1 also handled the construction of tubular engine mounts for amphibian tanks and the construction of automatic rocket launchers.

Automatic rocket launchers of various types were built for the armed forces.

Below—Over 7000 of the Navy's Amphibian Tanks were equipped with tubular engine mounts produced on special Nigg machines.



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